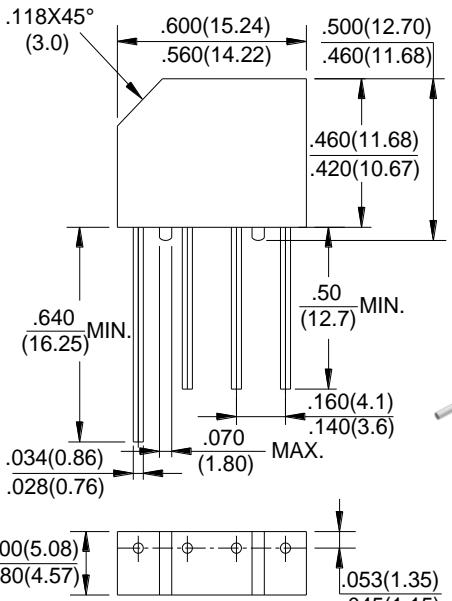


Glass Passivated Bridge Rectifiers	Reverse Voltage - 50 to 1000 Volts Forward Current - 3.0 Amperes
<h3>Features</h3> <ul style="list-style-type: none"> • Glass passivated chip • Low forward voltage drop • Ideal for printed circuit board • High surge current capability • Meet UL flammability classification 94V-0 	
<h3>Mechanical Data</h3> <ul style="list-style-type: none"> • Polarity: Symbol marked on body • Mounting position: Any 	 <p>KBP</p> <p>Package Outline Dimensions in Inches (Millimeters)</p>
<h3>Applications</h3> <ul style="list-style-type: none"> • General purpose use in AC/DC bridge full wave rectification, for SMPS, lighting ballaster, adapter, etc. 	

Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

Rating and Characteristic Curves

KBP3005G THRU KBP310G



Fig. 1 - Forward Current Derating Curve

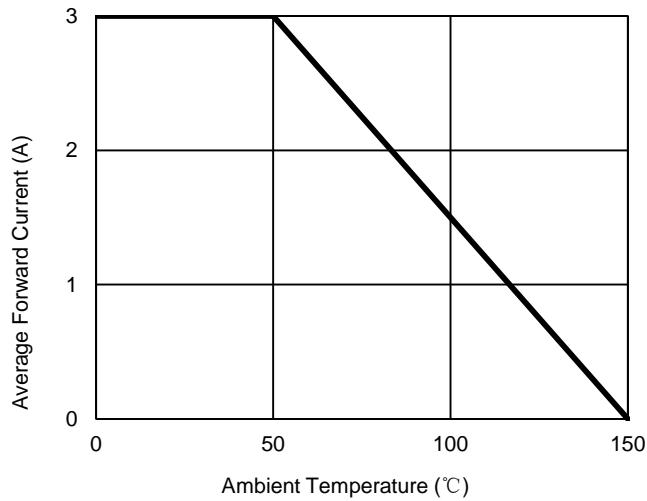


Fig. 2 - Maximum Non-Repetitive Surge Current

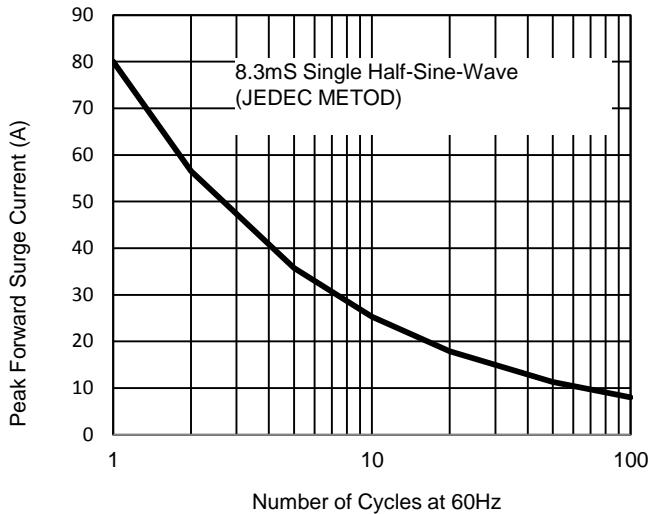


Fig. 3 - Typical Reverse Characteristics

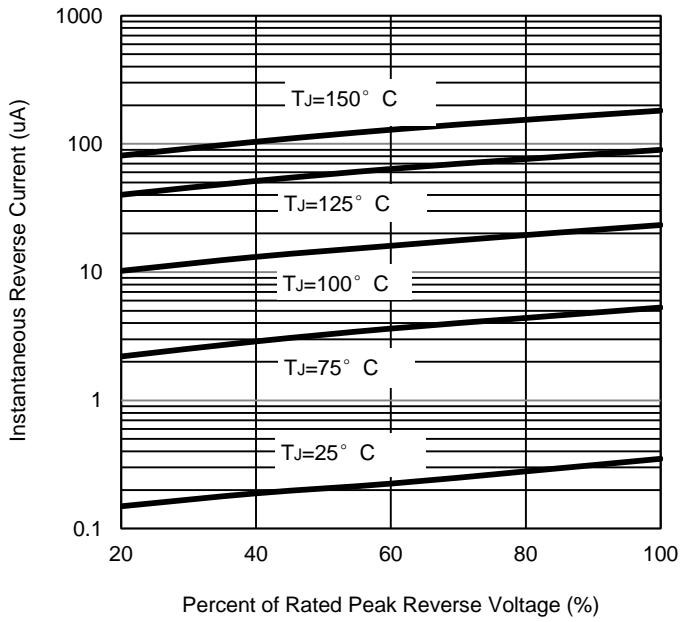
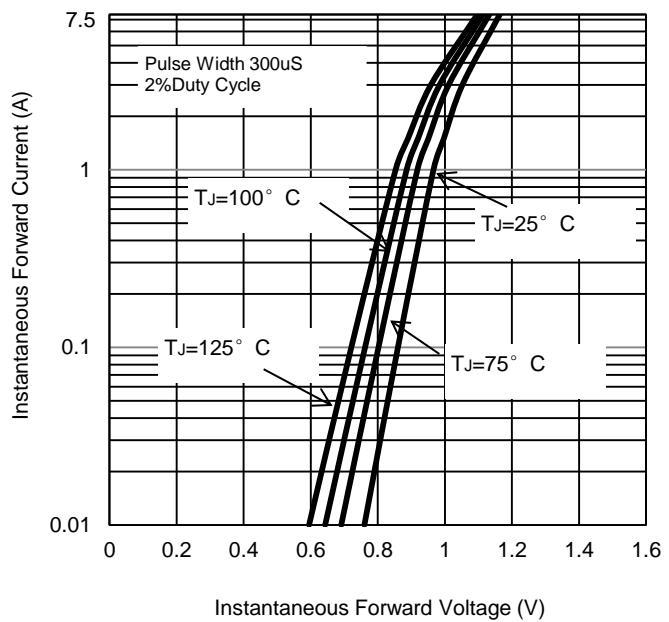


Fig. 4 - Typical Forward Characteristics



The curve above is for reference only.